

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF033116\
 Data File : BF085928.D
 Acq On : 31 Mar 2016 15:31
 Operator : UM/SJ
 Sample : H2075-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-12

Quant Time: Mar 31 21:45:20 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 30 12:31:18 2016
 Response via : Initial Calibration

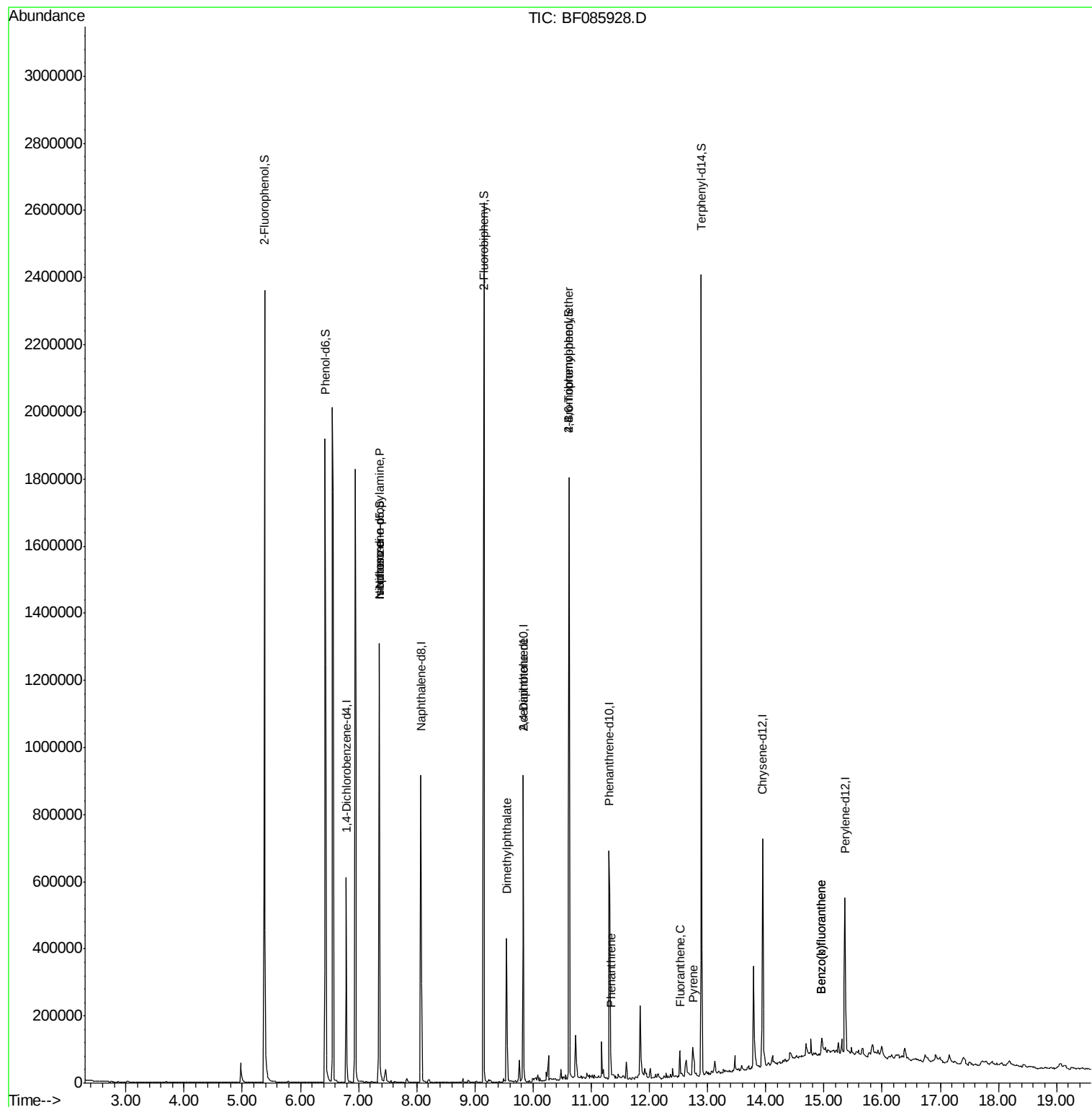
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	110069	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	439009	20.00	ng	-0.02
38) Acenaphthene-d10	9.83	164	199628	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	346060	20.00	ng	-0.02
75) Chrysene-d12	13.95	240	215175	20.00	ng	-0.02
86) Perylene-d12	15.36	264	199107	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	749723	113.44	ng	-0.01
7) Phenol-d6	6.42	99	997172	118.67	ng	-0.02
23) Nitrobenzene-d5	7.36	82	653912	83.88	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	231187	121.89	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	998898	83.60	ng	-0.01
78) Terphenyl-d14	12.89	244	687253	65.69	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	85031	16.90	ng	# 74
25) Isophorone	7.36	82	636737	42.40	ng	# 68
37) 2-Methylnaphthalene	8.79	142	4542	Below Cal		96
49) Dimethylphthalate	9.54	163	166411	10.99	ng	100
56) 2,4-Dinitrotoluene	9.83	165	24972	6.03	ng	# 37
66) 4-Bromophenyl-phenylether	10.62	248	15465	4.37	ng	# 1
70) Phenanthrene	11.34	178	47178	2.66	ng	99
74) Fluoranthene	12.53	202	45305	2.40	ng	91
77) Pyrene	12.74	202	43919	2.48	ng	98
87) Benzo(b)fluoranthene	14.96	252	29025	2.31	ng	94
88) Benzo(k)fluoranthene	14.96	252	29025	2.57	ng	# 91

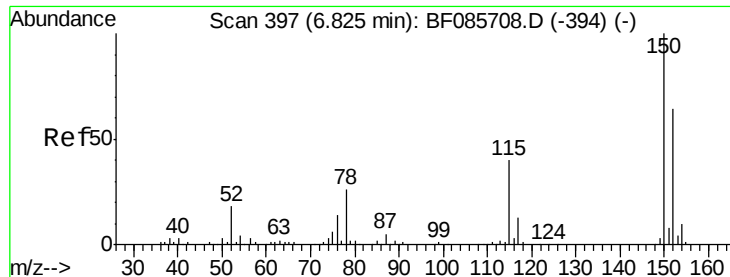
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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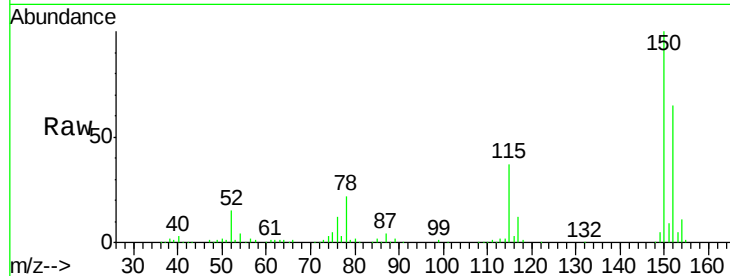


#1

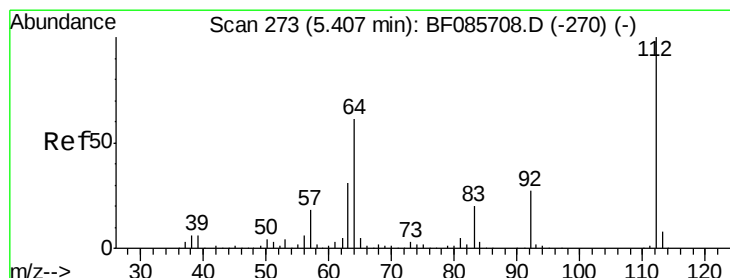
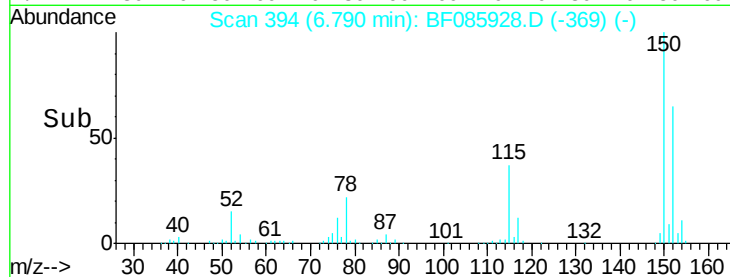
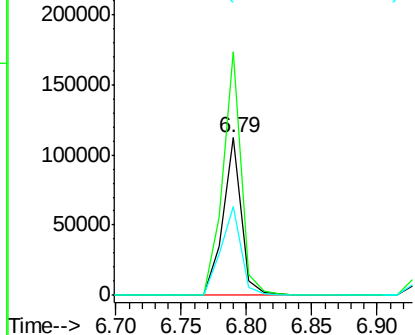
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 394
Delta R.T. -0.01 min
Lab File: BF085928.D
Acq: 31 Mar 2016 15:31

Instrument :
BNA_F
ClientSampleId :
SP-12

Tgt Ion:152 Resp: 110069
Ion Ratio Lower Upper
152 100
150 154.5 124.2 186.2
115 56.6 47.0 70.6



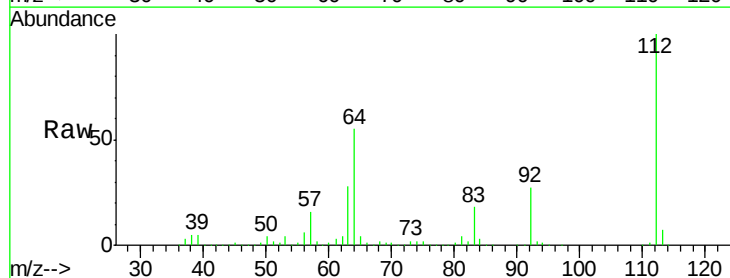
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



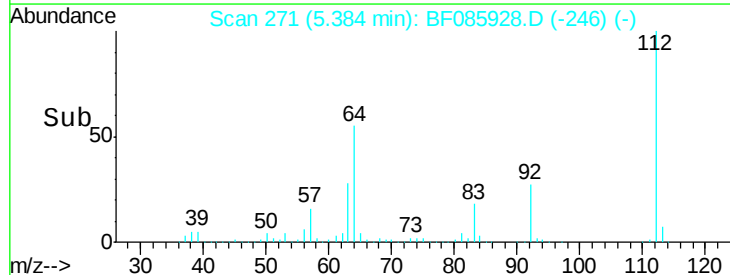
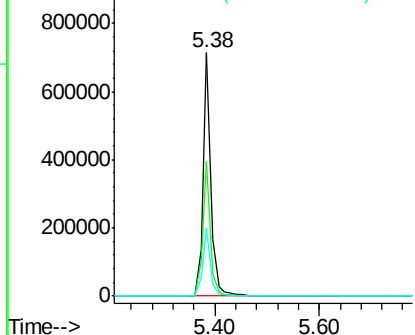
#5

2-Fluorophenol
Concen: 113.44 ng
RT: 5.38 min Scan# 271
Delta R.T. -0.01 min
Lab File: BF085928.D
Acq: 31 Mar 2016 15:31

Tgt Ion:112 Resp: 749723
Ion Ratio Lower Upper
112 100
64 55.3 39.9 59.9
63 27.9 20.2 30.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 118.67 ng

RT: 6.42 min Scan# 362

Delta R.T. -0.02 min

Lab File: BF085928.D

Acq: 31 Mar 2016 15:31

Instrument :

BNA_F

ClientSampleId :

SP-12

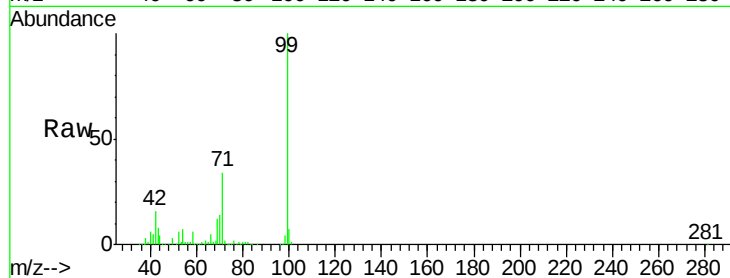
Tgt Ion: 99 Resp: 997172

Ion Ratio Lower Upper

99 100

42 16.2 11.1 16.7

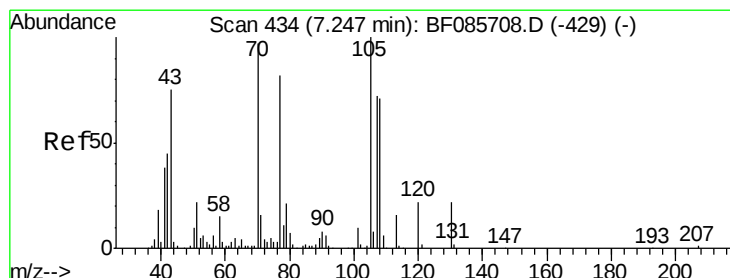
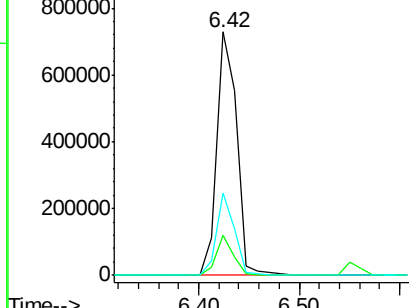
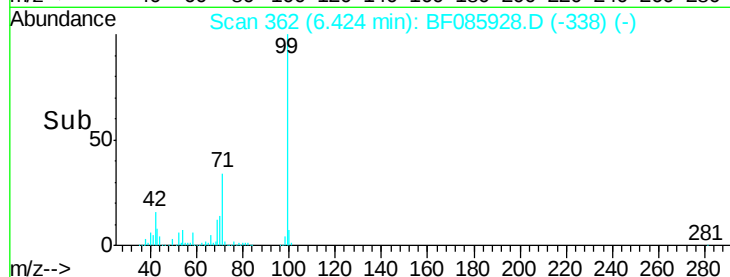
71 33.6 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 16.90 ng

RT: 7.36 min Scan# 444

Delta R.T. 0.14 min

Lab File: BF085928.D

Acq: 31 Mar 2016 15:31

Tgt Ion: 70 Resp: 85031

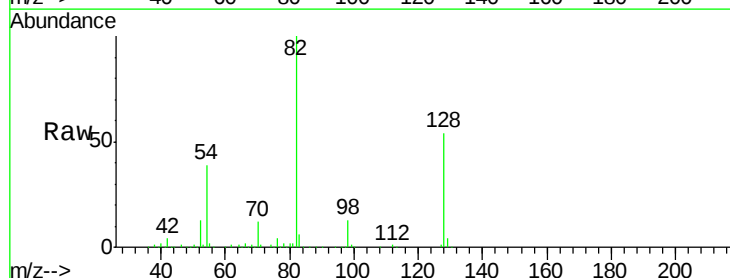
Ion Ratio Lower Upper

70 100

42 35.7 37.1 55.7#

101 0.0 8.6 12.8#

130 3.0 19.6 29.4#

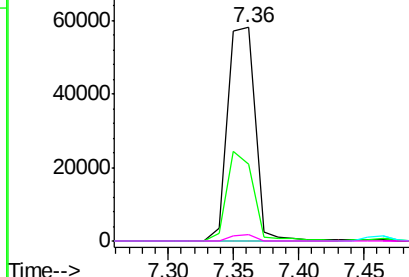
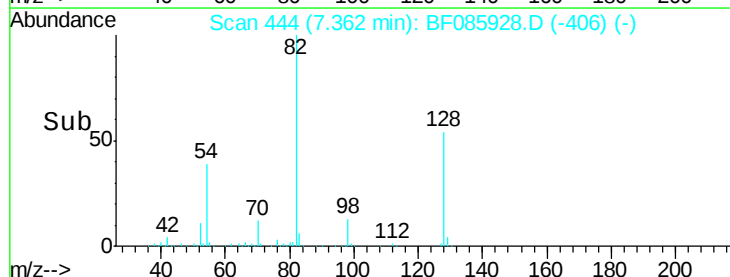


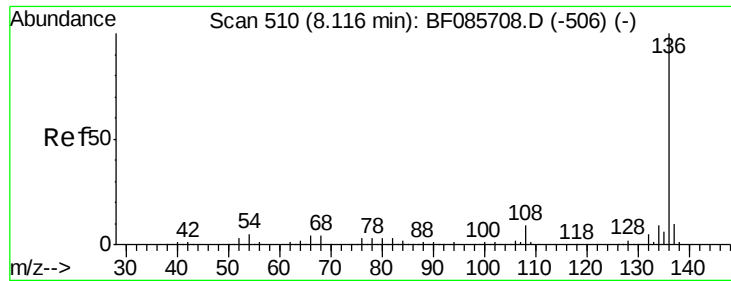
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

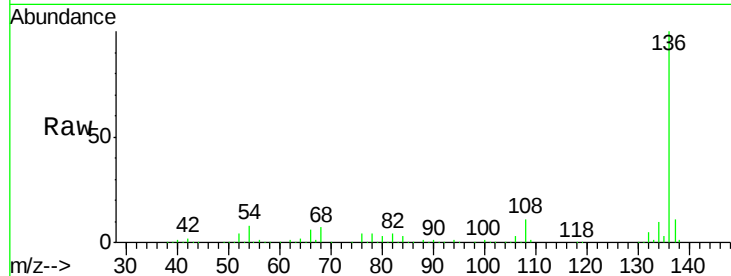




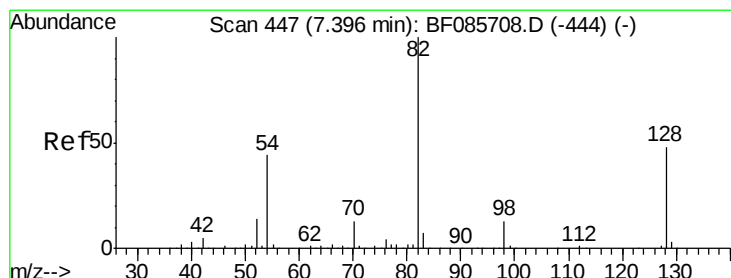
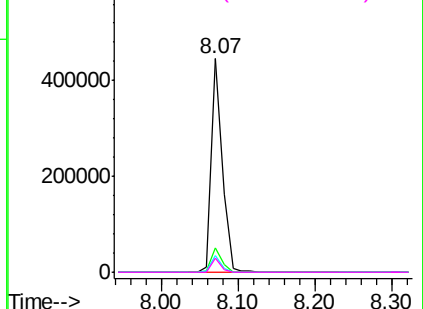
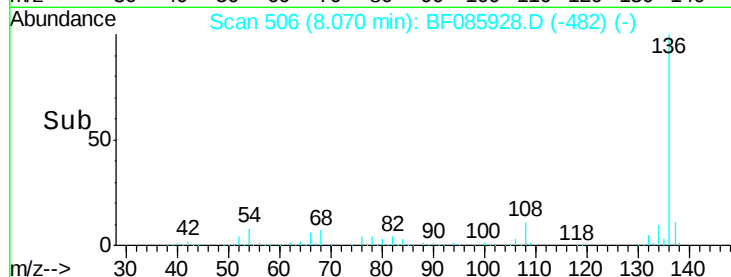
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 506
Delta R.T. -0.02 min
Lab File: BF085928.D
Acq: 31 Mar 2016 15:31

Instrument :
BNA_F
ClientSampleId :
SP-12

Tgt Ion:	136	Resp:	439009
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	7.8	7.4	11.0
68	6.5	5.8	8.8

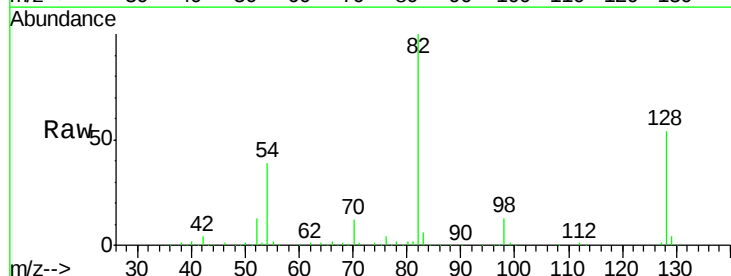


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

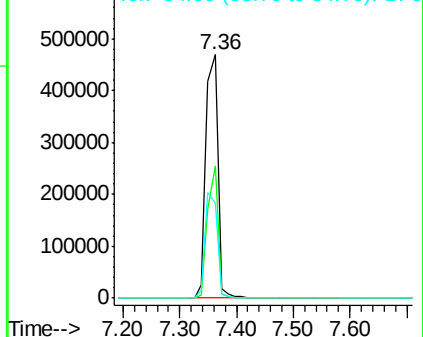
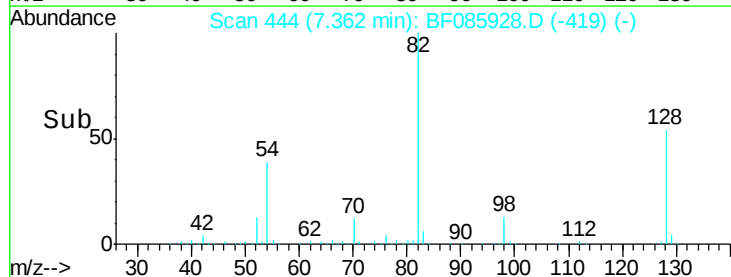


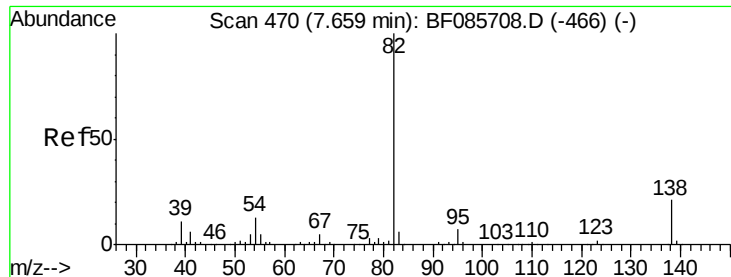
#23
Nitrobenzene-d5
Concen: 83.88 ng
RT: 7.36 min Scan# 444
Delta R.T. -0.01 min
Lab File: BF085928.D
Acq: 31 Mar 2016 15:31

Tgt Ion:	82	Resp:	653912
Ion	Ratio	Lower	Upper
82	100		
128	54.4	41.8	62.8
54	39.2	33.4	50.0



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 42.40 ng

RT: 7.36 min Scan# 444

Delta R.T. -0.27 min

Lab File: BF085928.D

Acq: 31 Mar 2016 15:31

Instrument :

BNA_F

ClientSampleId :

SP-12

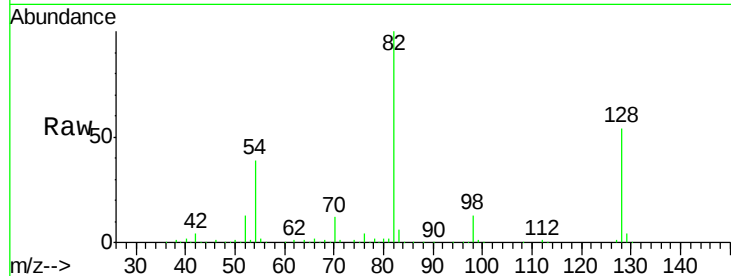
Tgt Ion: 82 Resp: 636737

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

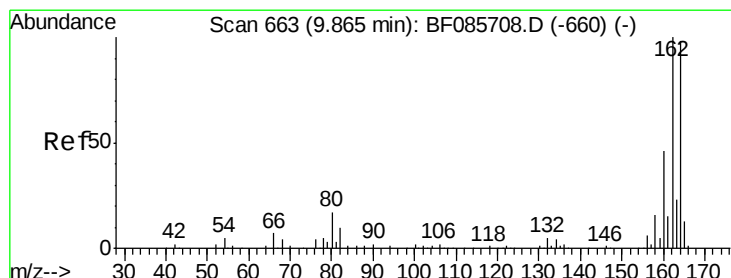
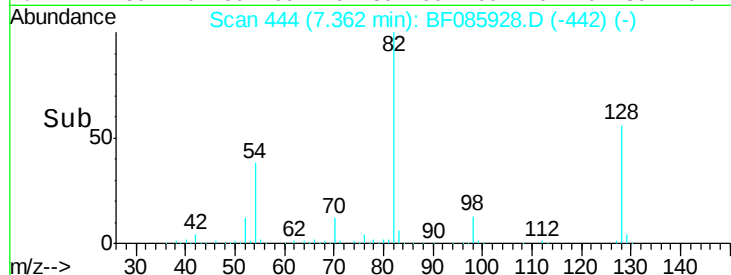
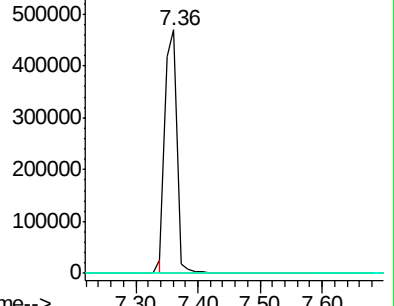
138 0.0 12.9 19.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.83 min Scan# 660

Delta R.T. -0.01 min

Lab File: BF085928.D

Acq: 31 Mar 2016 15:31

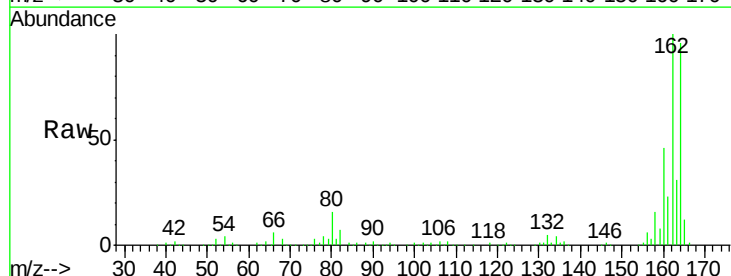
Tgt Ion: 164 Resp: 199628

Ion Ratio Lower Upper

164 100

162 104.1 82.1 123.1

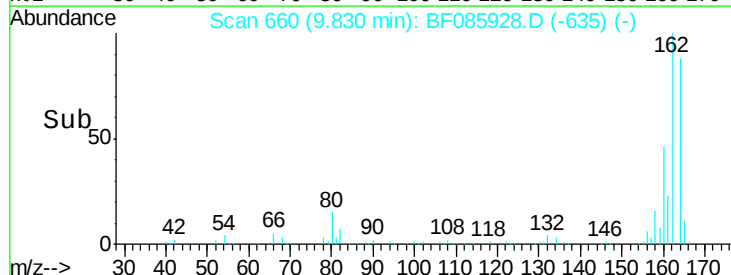
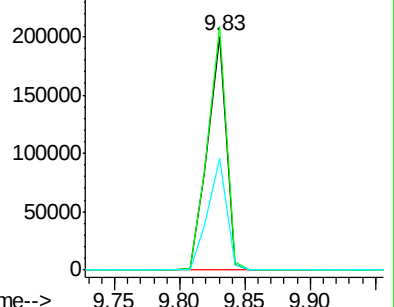
160 47.9 37.4 56.2

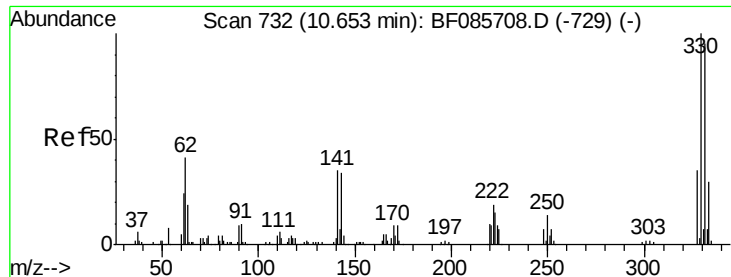


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

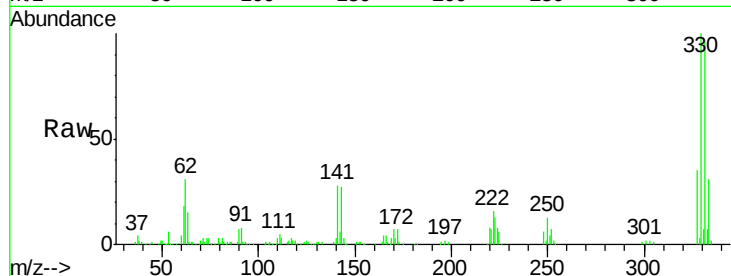




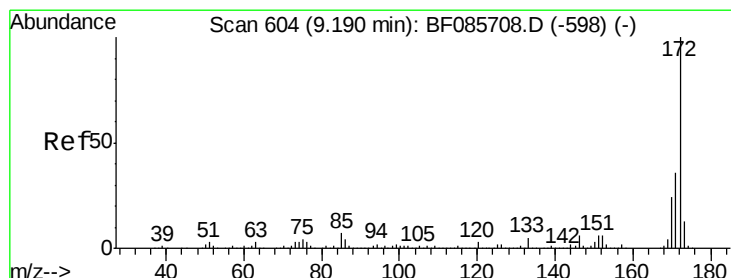
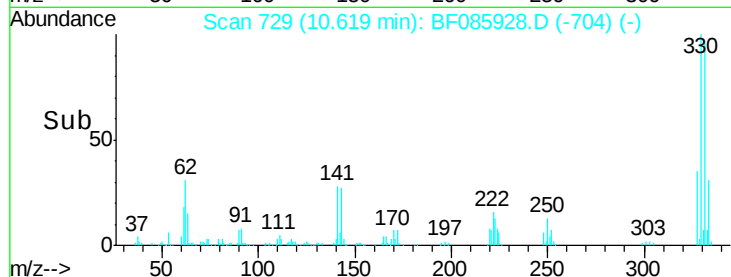
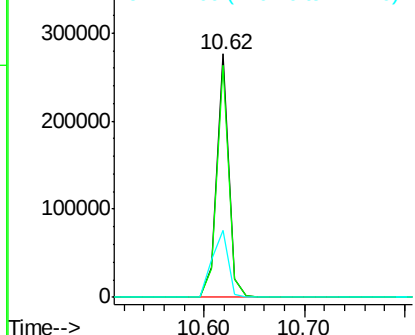
#41
 2,4,6-Tribromophenol
 Concen: 121.89 ng
 RT: 10.62 min Scan# 729
 Delta R.T. -0.01 min
 Lab File: BF085928.D
 Acq: 31 Mar 2016 15:31

Instrument :
 BNA_F
 ClientSampleId :
 SP-12

Tgt Ion:330 Resp: 231187
 Ion Ratio Lower Upper
 330 100
 332 95.7 78.2 117.2
 141 37.3 31.5 47.3

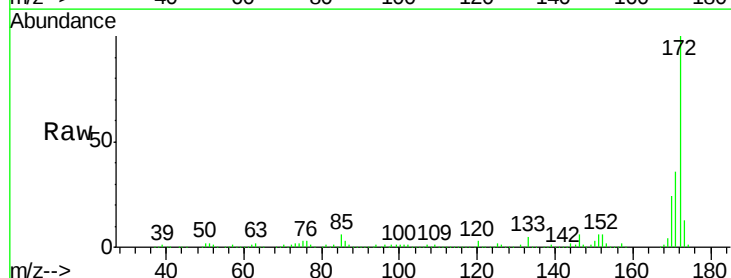


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

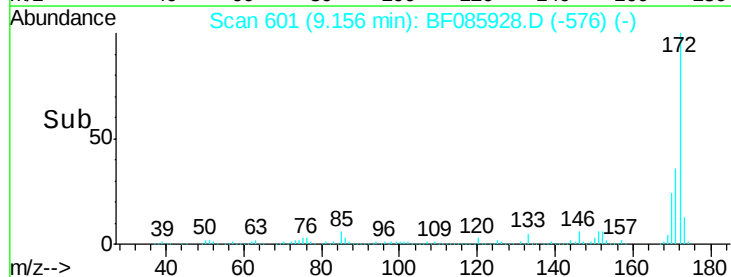
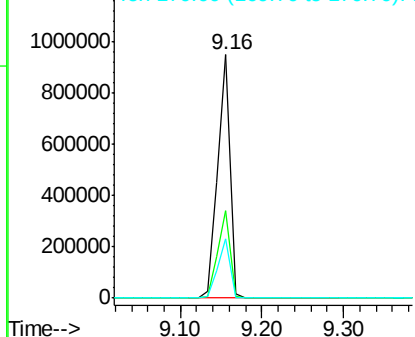


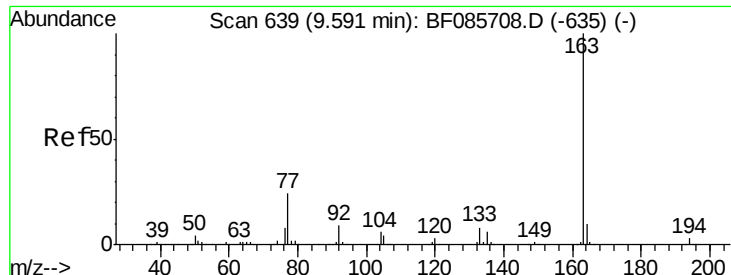
#44
 2-Fluorobiphenyl
 Concen: 83.60 ng
 RT: 9.16 min Scan# 601
 Delta R.T. -0.01 min
 Lab File: BF085928.D
 Acq: 31 Mar 2016 15:31

Tgt Ion:172 Resp: 998898
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.4 44.2
 170 24.4 19.8 29.6



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

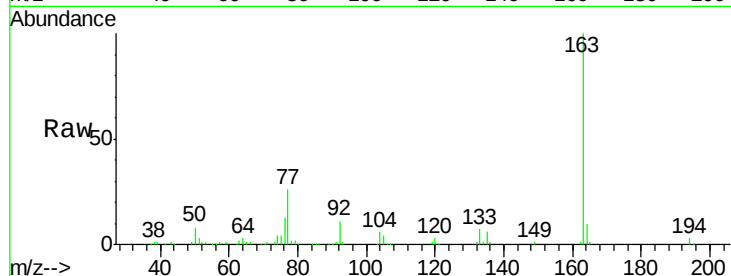




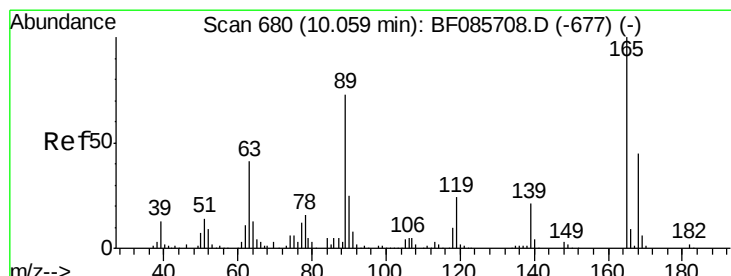
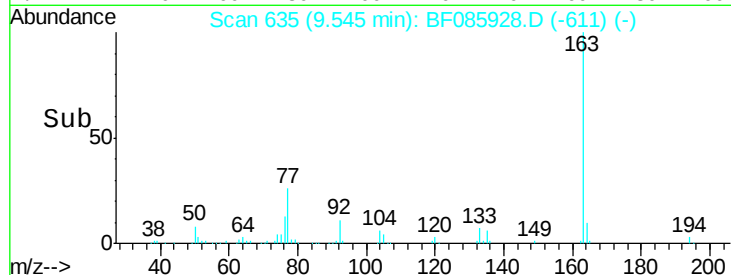
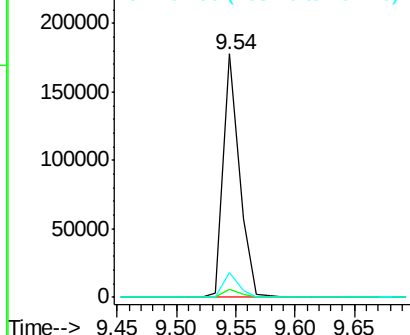
#49
Dimethylphthalate
Concen: 10.99 ng
RT: 9.54 min Scan# 635
Delta R.T. -0.02 min
Lab File: BF085928.D
Acq: 31 Mar 2016 15:31

Instrument :
BNA_F
ClientSampleId :
SP-12

Tgt Ion:163 Resp: 166411
Ion Ratio Lower Upper
163 100
194 3.3 2.9 4.3
164 10.3 8.3 12.5

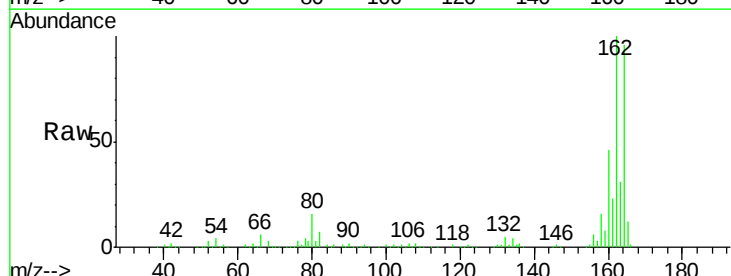


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

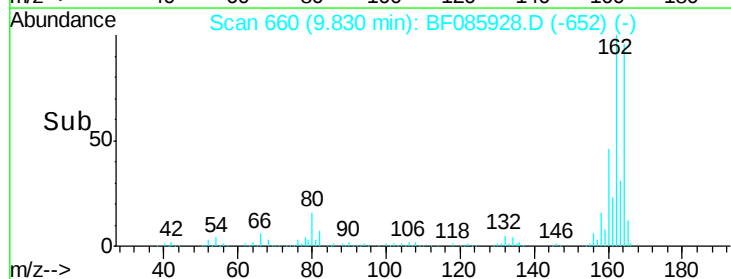
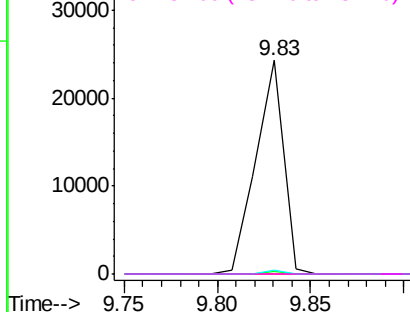


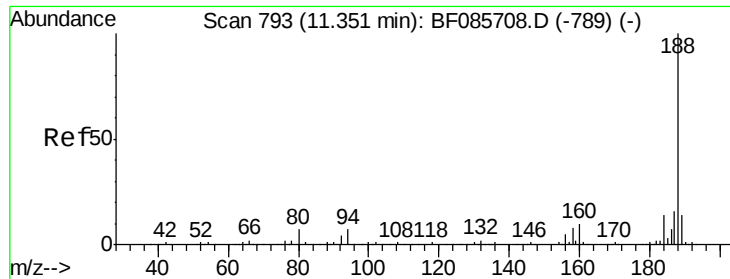
#56
2,4-Dinitrotoluene
Concen: 6.03 ng
RT: 9.83 min Scan# 660
Delta R.T. -0.21 min
Lab File: BF085928.D
Acq: 31 Mar 2016 15:31

Tgt Ion:165 Resp: 24972
Ion Ratio Lower Upper
165 100
63 1.3 24.9 37.3#
89 2.1 41.0 61.6#
182 0.0 2.1 3.1#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

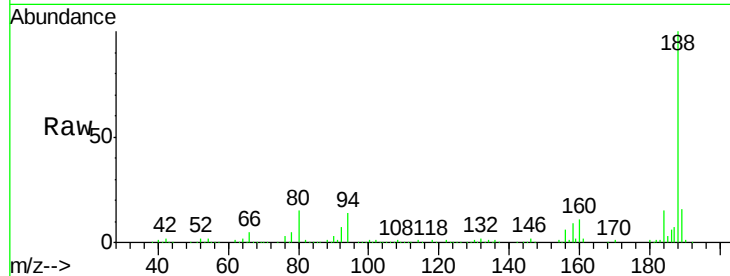




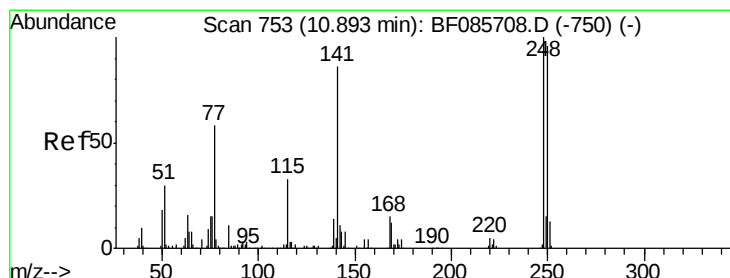
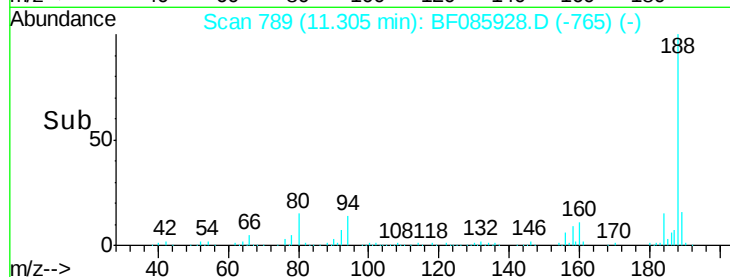
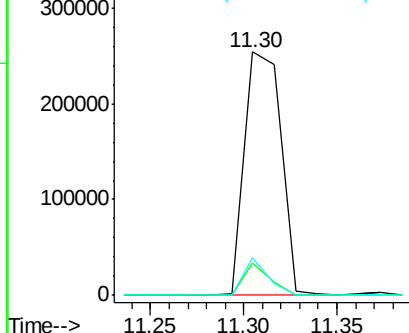
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 789
Delta R.T. -0.02 min
Lab File: BF085928.D
Acq: 31 Mar 2016 15:31

Instrument :
BNA_F
ClientSampleId :
SP-12

Tgt Ion:188 Resp: 346060
Ion Ratio Lower Upper
188 100
94 13.5 5.4 8.0#
80 15.3 5.5 8.3#

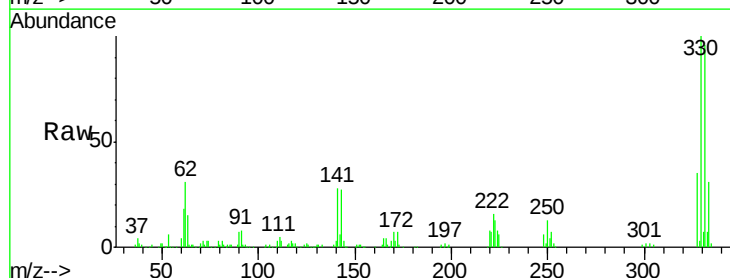


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

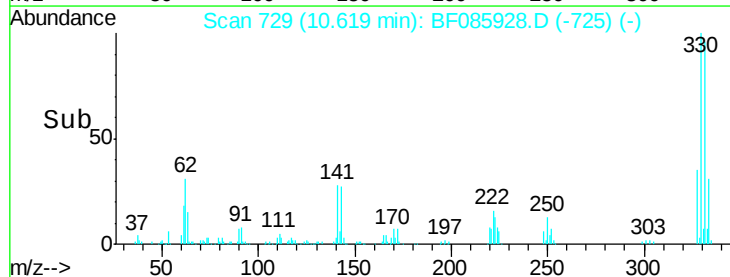
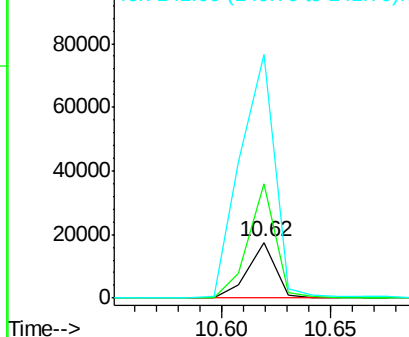


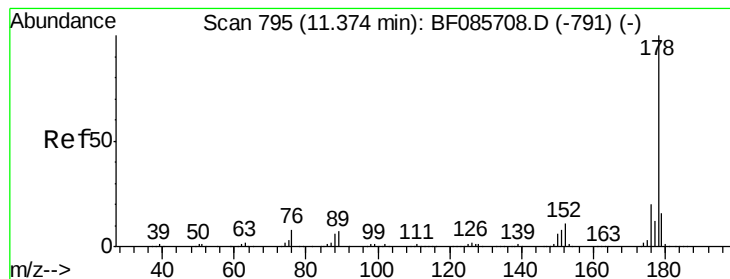
#66
4-Bromophenyl-phenylether
Concen: 4.37 ng
RT: 10.62 min Scan# 729
Delta R.T. -0.25 min
Lab File: BF085928.D
Acq: 31 Mar 2016 15:31

Tgt Ion:248 Resp: 15465
Ion Ratio Lower Upper
248 100
250 205.9 77.4 116.0#
141 437.7 63.6 95.4#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 2.66 ng

RT: 11.34 min Scan# 792

Delta R.T. -0.01 min

Lab File: BF085928.D

Acq: 31 Mar 2016 15:31

Instrument :

BNA_F

ClientSampleId :

SP-12

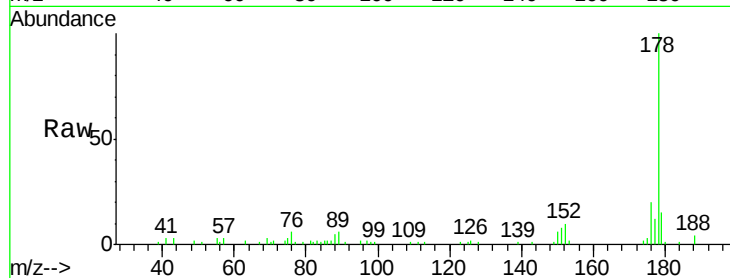
Tgt Ion:178 Resp: 47178

Ion Ratio Lower Upper

178 100

176 19.7 16.3 24.5

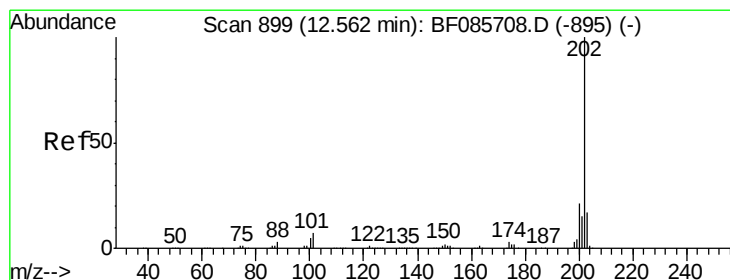
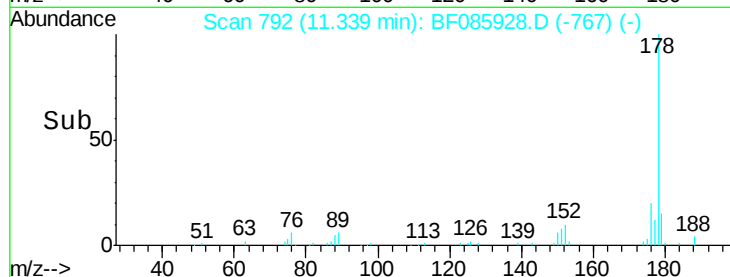
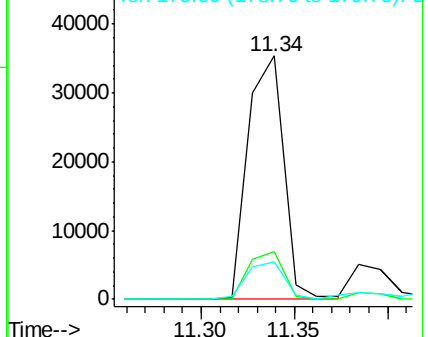
179 15.4 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 2.40 ng

RT: 12.53 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF085928.D

Acq: 31 Mar 2016 15:31

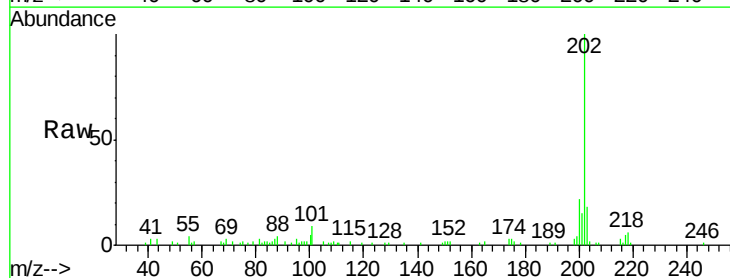
Tgt Ion:202 Resp: 45305

Ion Ratio Lower Upper

202 100

101 8.7 0.0 36.6

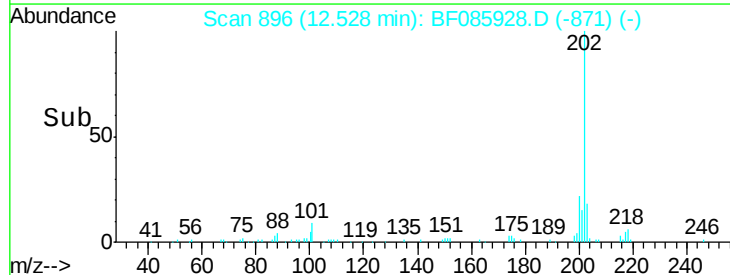
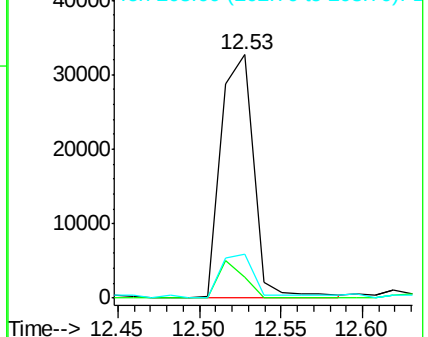
203 18.2 0.0 38.1

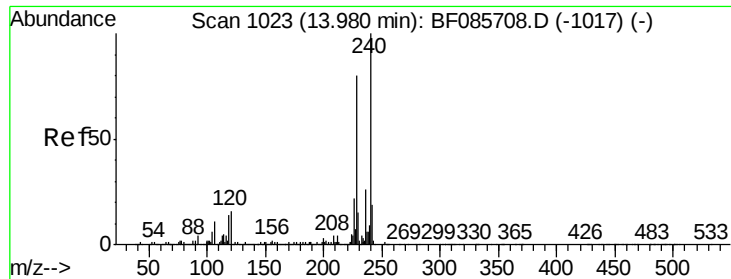


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1020

Delta R.T. -0.02 min

Lab File: BF085928.D

Acq: 31 Mar 2016 15:31

Instrument :

BNA_F

ClientSampleId :

SP-12

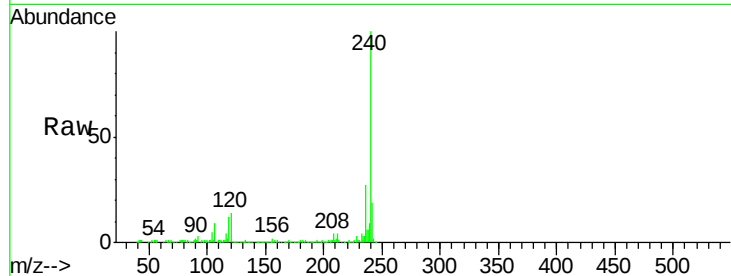
Tgt Ion:240 Resp: 215175

Ion Ratio Lower Upper

240 100

120 14.1 13.8 20.8

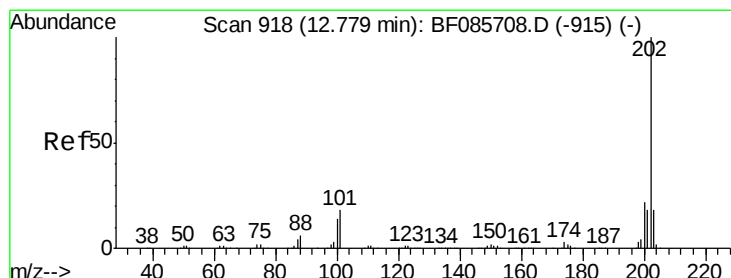
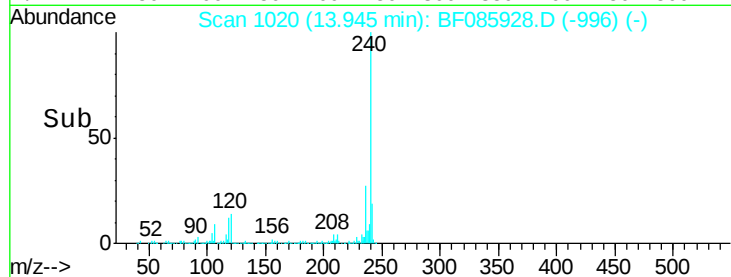
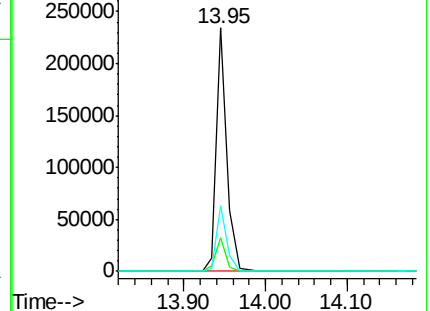
236 26.8 20.6 30.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 2.48 ng

RT: 12.74 min Scan# 915

Delta R.T. -0.02 min

Lab File: BF085928.D

Acq: 31 Mar 2016 15:31

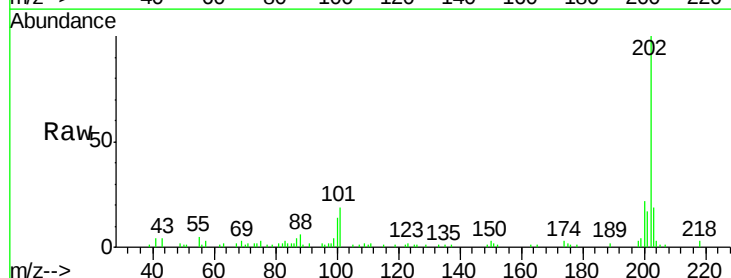
Tgt Ion:202 Resp: 43919

Ion Ratio Lower Upper

202 100

200 21.6 17.6 26.4

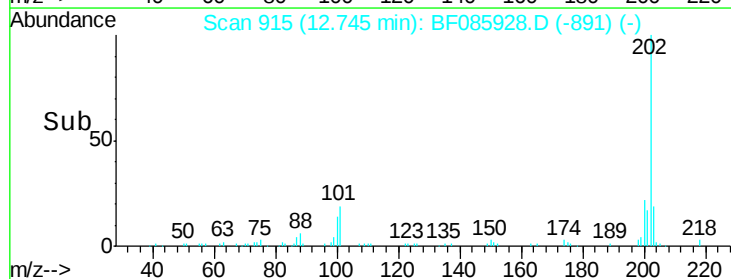
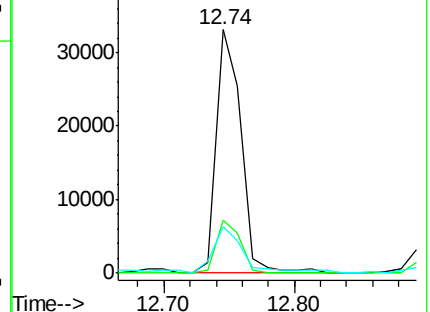
203 19.2 14.0 21.0

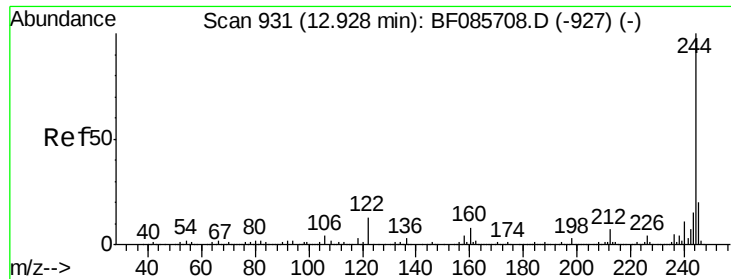


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

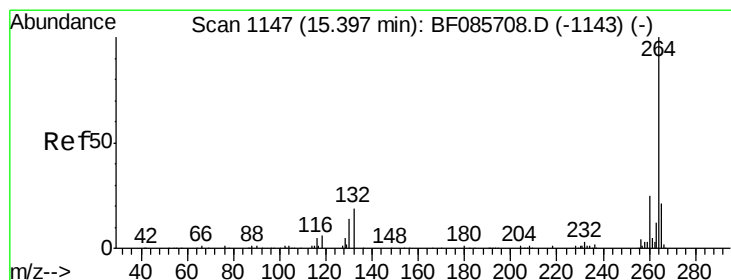
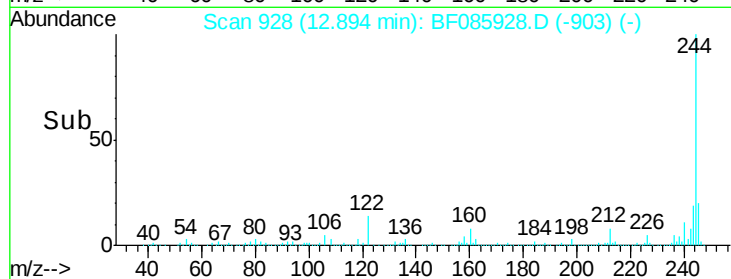
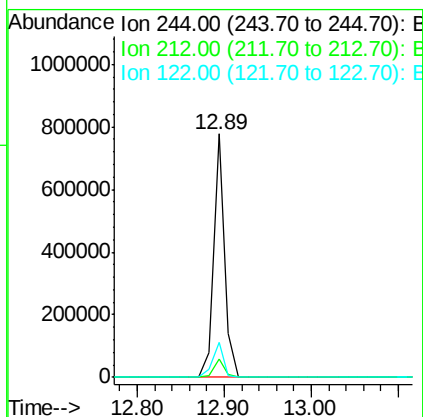
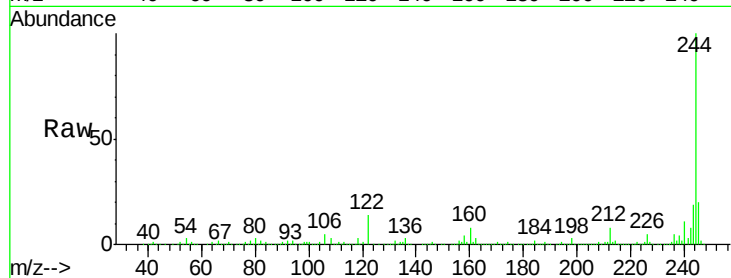




#78
 Terphenyl-d14
 Concen: 65.69 ng
 RT: 12.89 min Scan# 928
 Delta R.T. -0.01 min
 Lab File: BF085928.D
 Acq: 31 Mar 2016 15:31

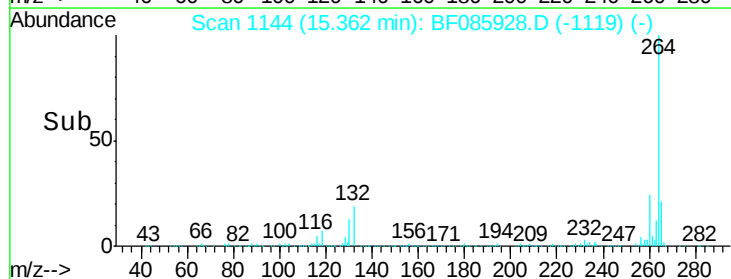
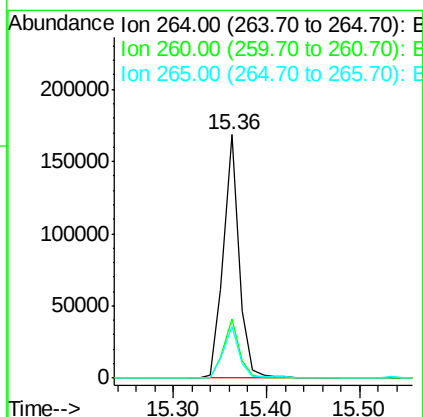
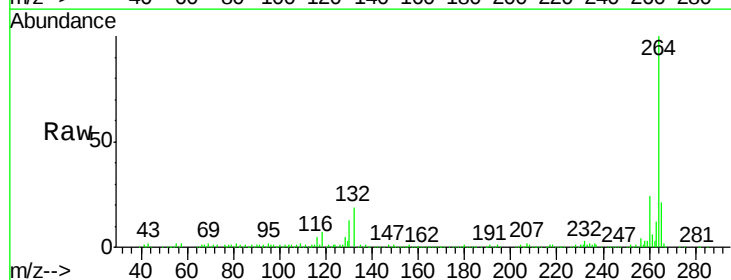
Instrument :
 BNA_F
 ClientSampleId :
 SP-12

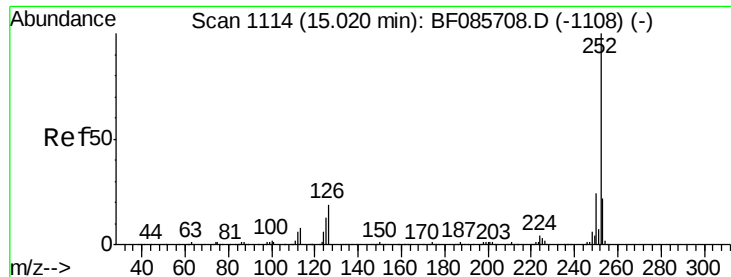
Tgt Ion:244 Resp: 687253
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.1 9.1
 122 14.1 10.2 15.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: BF085928.D
 Acq: 31 Mar 2016 15:31

Tgt Ion:264 Resp: 199107
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.4 29.2
 265 21.3 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 2.31 ng

RT: 14.96 min Scan# 1109

Delta R.T. -0.01 min

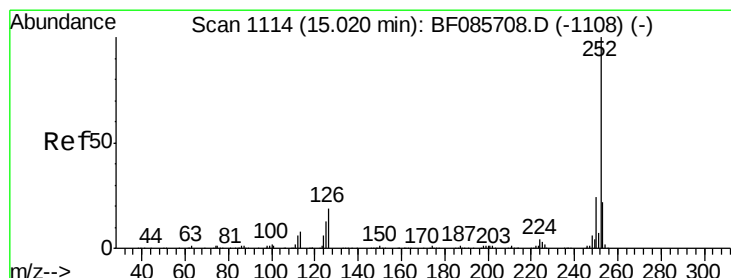
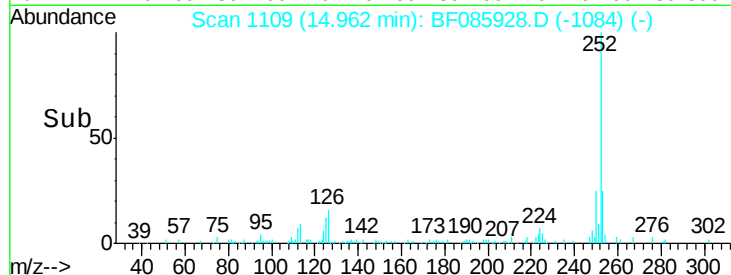
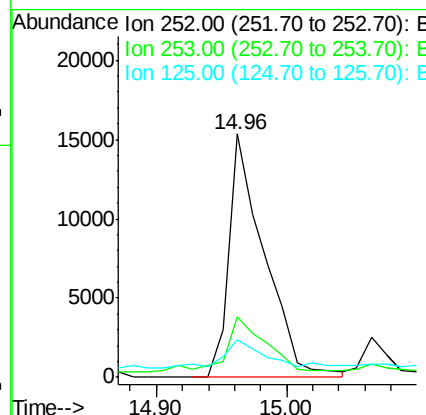
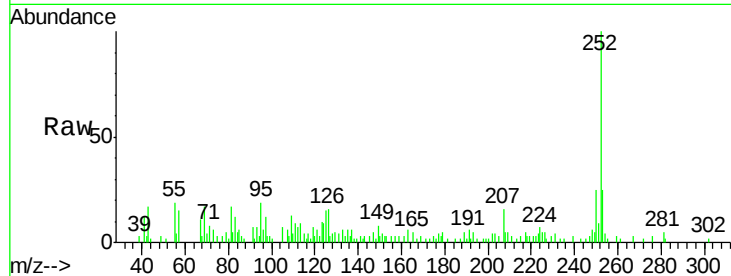
Lab File: BF085928.D

Acq: 31 Mar 2016 15:31

Instrument :
BNA_F
ClientSampleId :
SP-12

Tgt Ion:252 Resp: 29025

Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.6	26.4
125	15.3	10.3	15.5



#88

Benzo(k)fluoranthene

Concen: 2.57 ng

RT: 14.96 min Scan# 1109

Delta R.T. -0.05 min

Lab File: BF085928.D

Acq: 31 Mar 2016 15:31

Tgt Ion:252 Resp: 29025

Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.8	26.6
125	15.3	7.7	11.5#

